

3/21

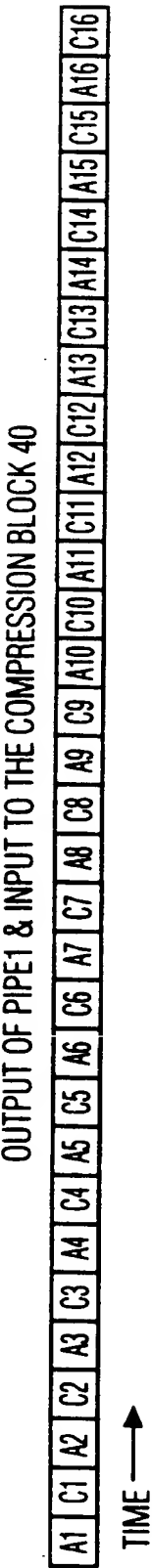


FIG. 5

4/21

OUTPUT FROM COMPRESSION BLOCK 40 ASSOCIATED WITH PIPE1

X	X	a1'	c1'	a2'	X	X	X	c2'	a3'	X	X	X	c3'	X	X	a4'	c4'	a5'	c5'	X	X	a6'	c6'	X	X	X	c7'	a7'	X	X	X	a8'	c8'
---	---	-----	-----	-----	---	---	---	-----	-----	---	---	---	-----	---	---	-----	-----	-----	-----	---	---	-----	-----	---	---	---	-----	-----	---	---	---	-----	-----

FIG. 6

5/21

BLOCKS OF DATA SENT TO EXTERNAL MEMORY AFTER REMOVING THE INTERLEAVING:

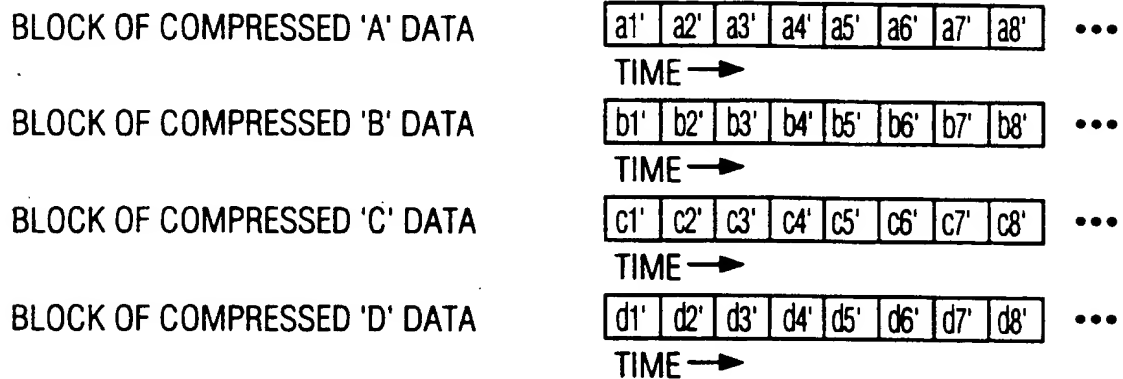


FIG. 7

TWO INTERLEAVED COMPRESSED DATA BLOCKS READY FOR DECOMPRESSING

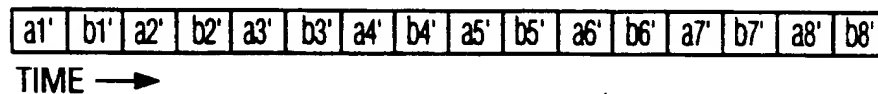


FIG. 8

6/21

DECOMPRESSION OUTPUT WITH TWO RECOVERED BLOCKS OF DATA WHICH ARE STILL INTERLEAVED.

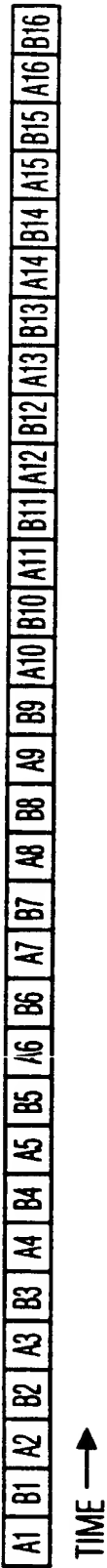


FIG. 9

DISPLAYED ORDER OF PIXELS AFTER FURTHER PROCESSING IN THE DISPLAY BLOCK.

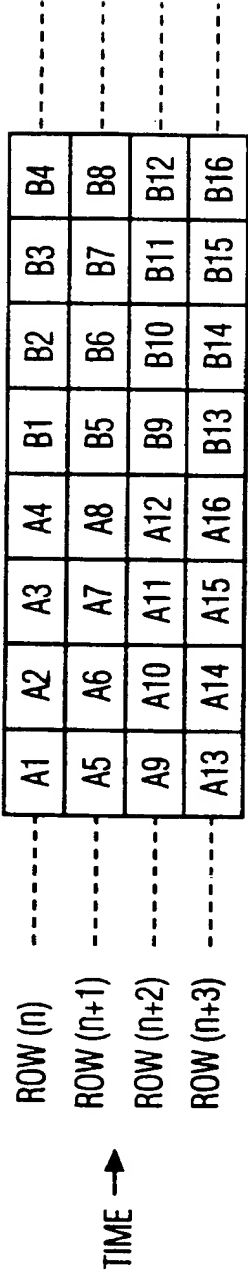


FIG. 10

8/21

OUTPUT OF PIPE1 & INPUT TO FILTER 36

A1	C1	A2	C2	A3	C3	A4	C4	A5	C5	A6	C6	A7	C7	A8	C8	A9	C9	A10	C10	A11	C11	A12	C12	A13	C13	A14	C14	A15	C15	A16	C16
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

TIME →

FIG. 11

9/21

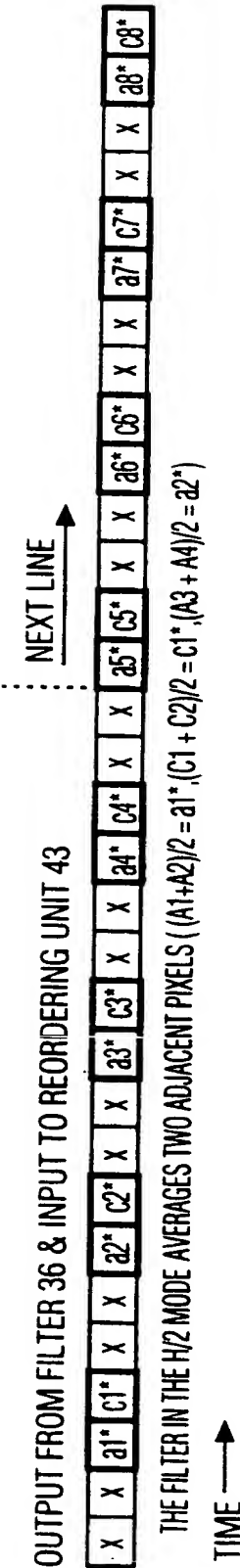


FIG. 12

10/21

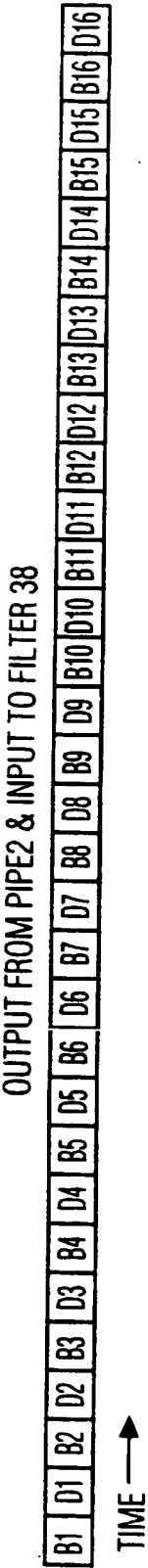
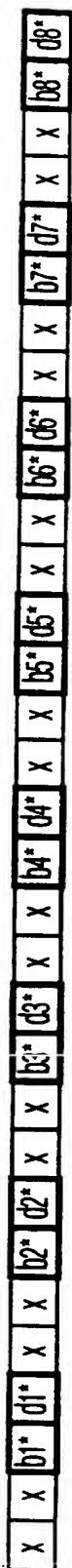


FIG. 13

11/21

OUTPUT FROM FILTER 38 & INPUT TO REORDERING UNIT 43



TIME →

FIG. 14

12/21

PIXEL OUTPUT AFTER DECIMATION AND RE-ORDERING (COMPRESSOR INPUT)

a1*	c1*	a2*	c2*	a3*	c3*	a4*	c4*	b1*	d1*	b2*	d2*	b3*	d3*	b4*	d4*	a5*	c5*	a6*	c6*	a7*	c7*	a8*	c8*	b5*	d5*	b6*	d6*	b7*	d7*	b8*	d8*
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

TIME →

FIG. 15

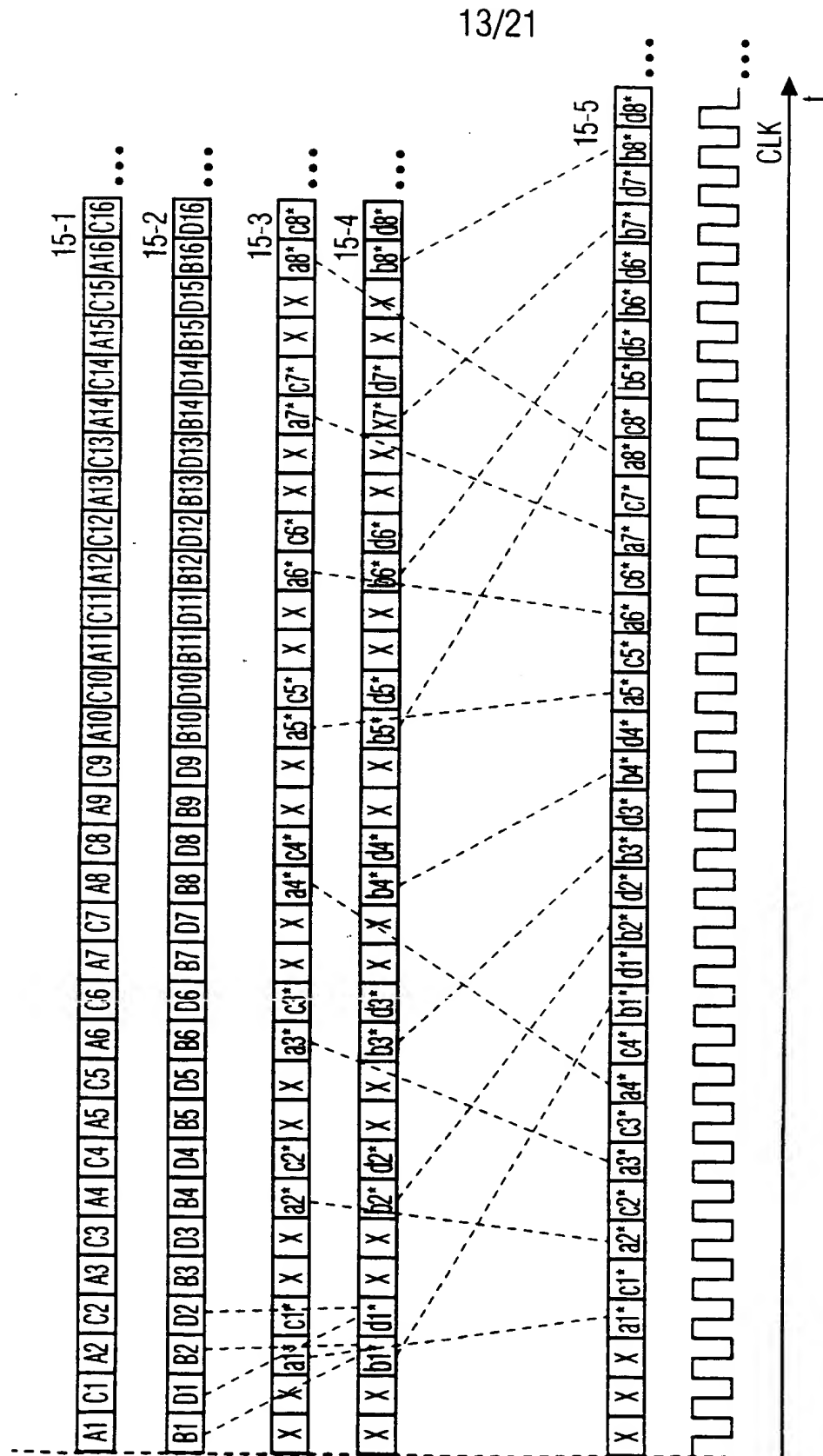


FIG. 15A

14/21

OUTPUT FROM COMPRESSION BLOCK 40 ASSOCIATED WITH PIPE1

x	x	m1'	m2'	x	x	x	m3'	x	x	n3'	x	x	x	m4'	m4'	m5'	n5'	x	x	m6'	n6'	x	x	x	n7'	m7'	x	x	m8'	n8'
---	---	-----	-----	---	---	---	-----	---	---	-----	---	---	---	-----	-----	-----	-----	---	---	-----	-----	---	---	---	-----	-----	---	---	-----	-----

FIG. 16

15/21

COMPRESSED DATA SENT TO THE EXTERNAL MEMORY

BLOCKS FROM A AND B

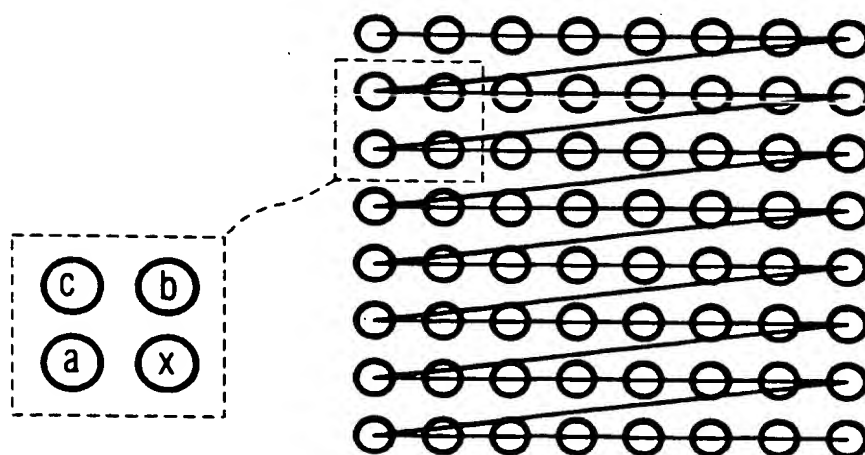
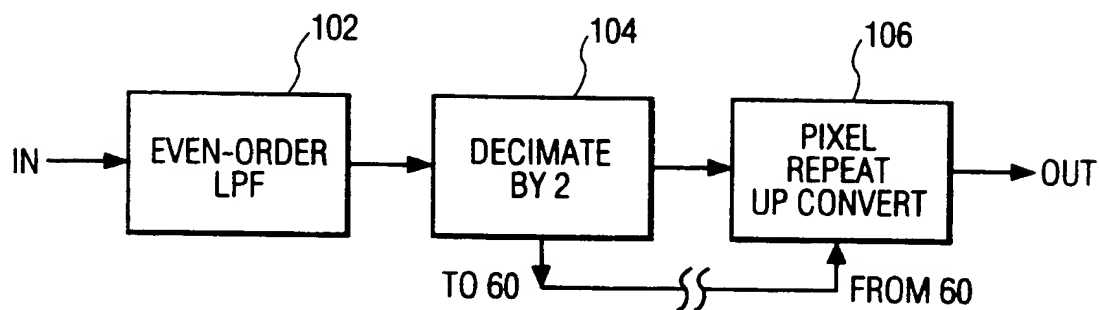
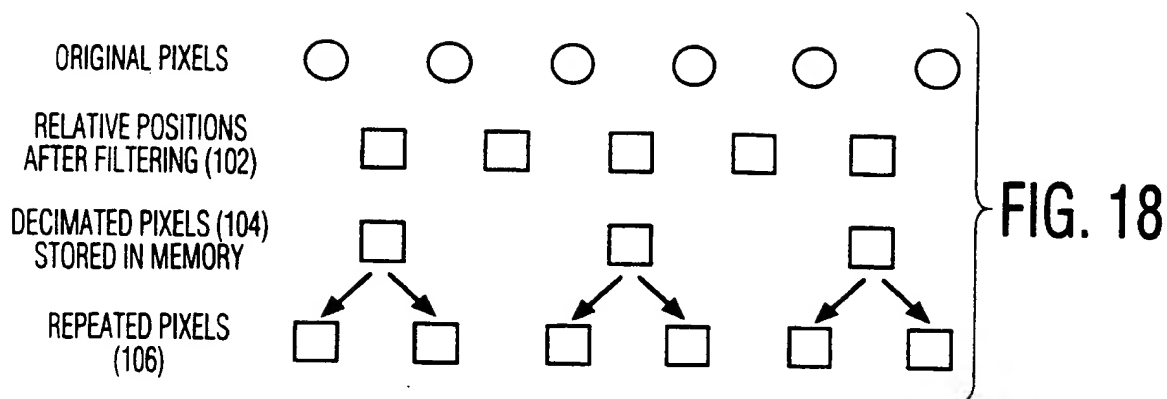
m1'	m2'	m3'	m4'	m5'	m6'	m7'	m8'
-----	-----	-----	-----	-----	-----	-----	-----

BLOCKS FROM C AND D

n1'	n2'	n3'	n4'	n5'	n6'	n7'	n8'
-----	-----	-----	-----	-----	-----	-----	-----

FIG. 17

16/21



17/21

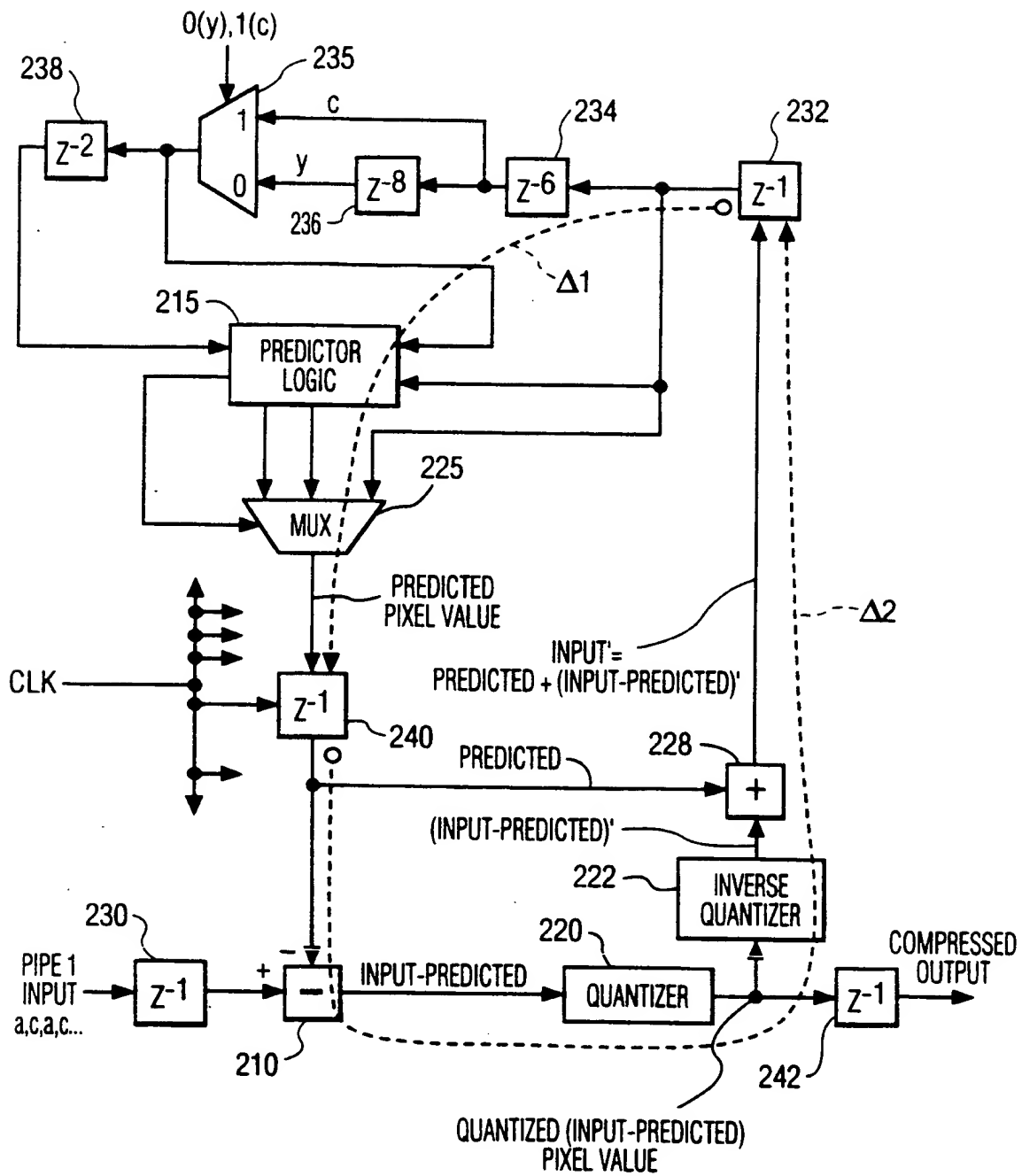


FIG. 20

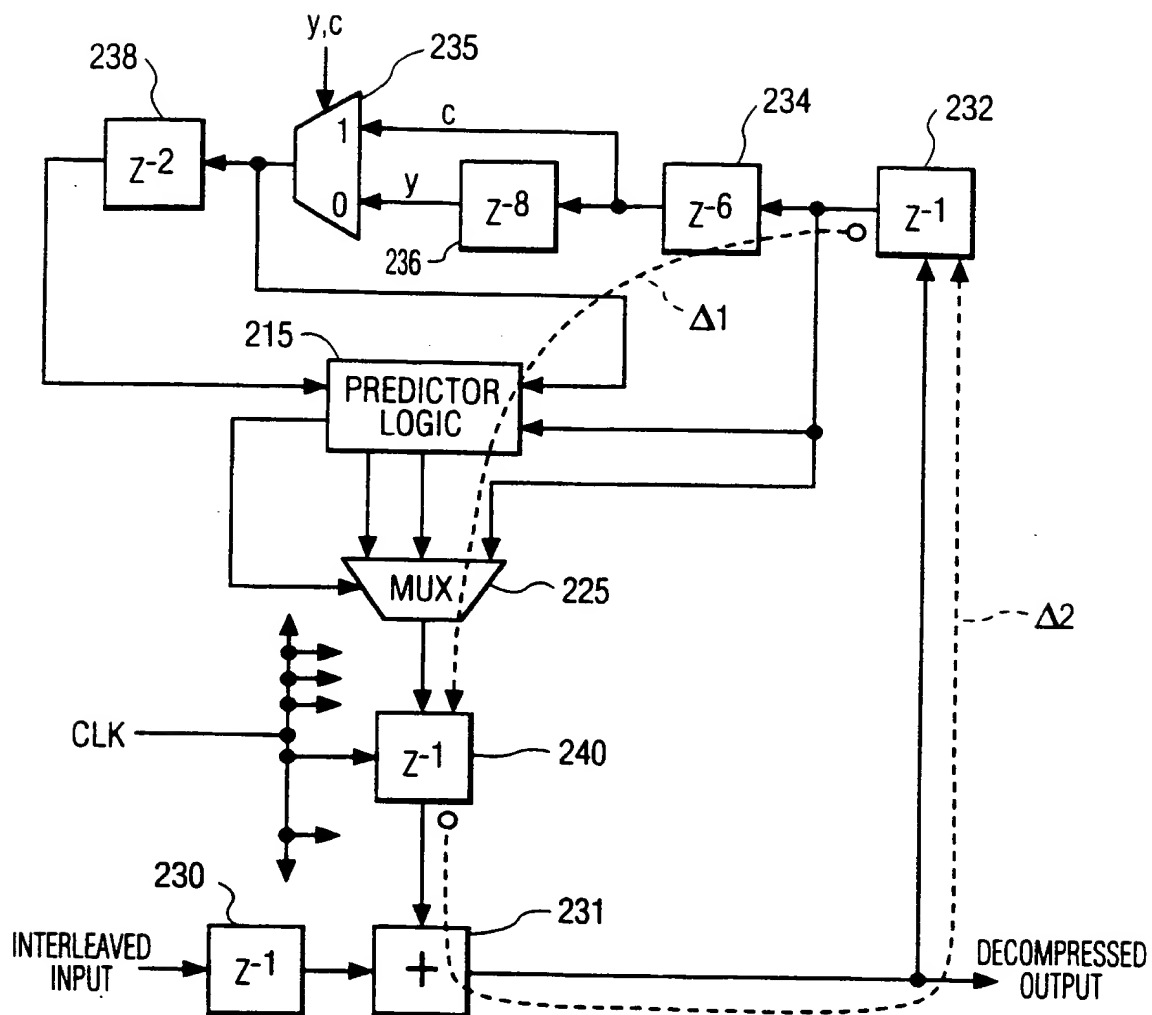


FIG. 21

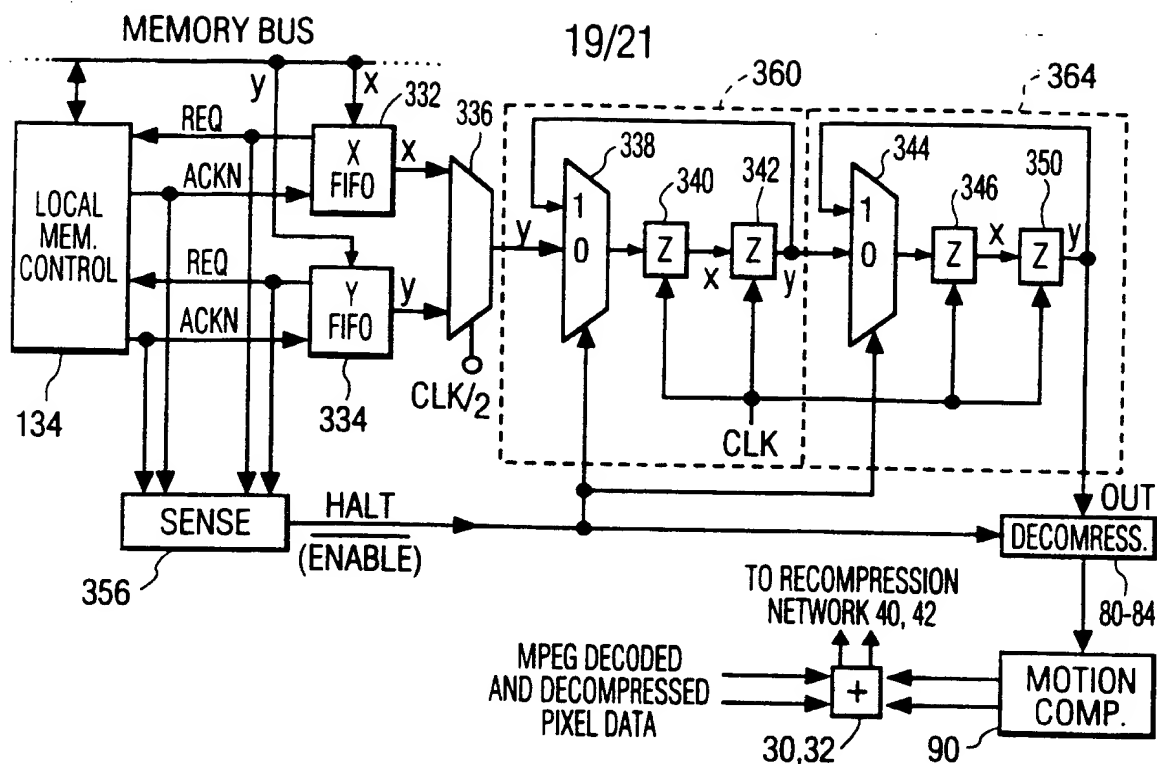


FIG. 23

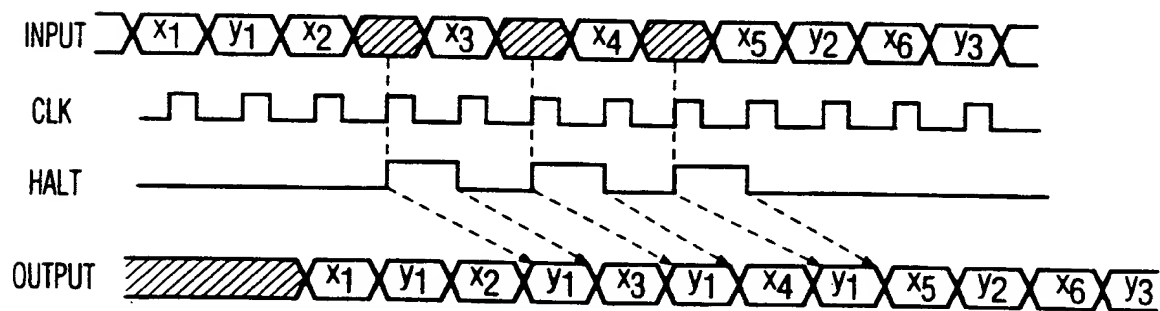
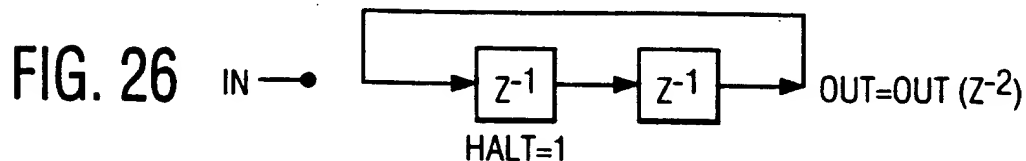
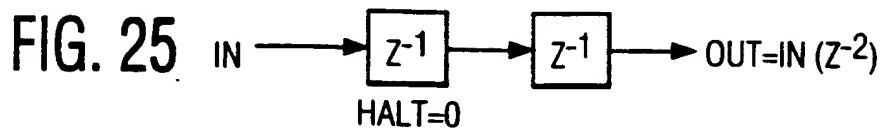


FIG. 24



20/21

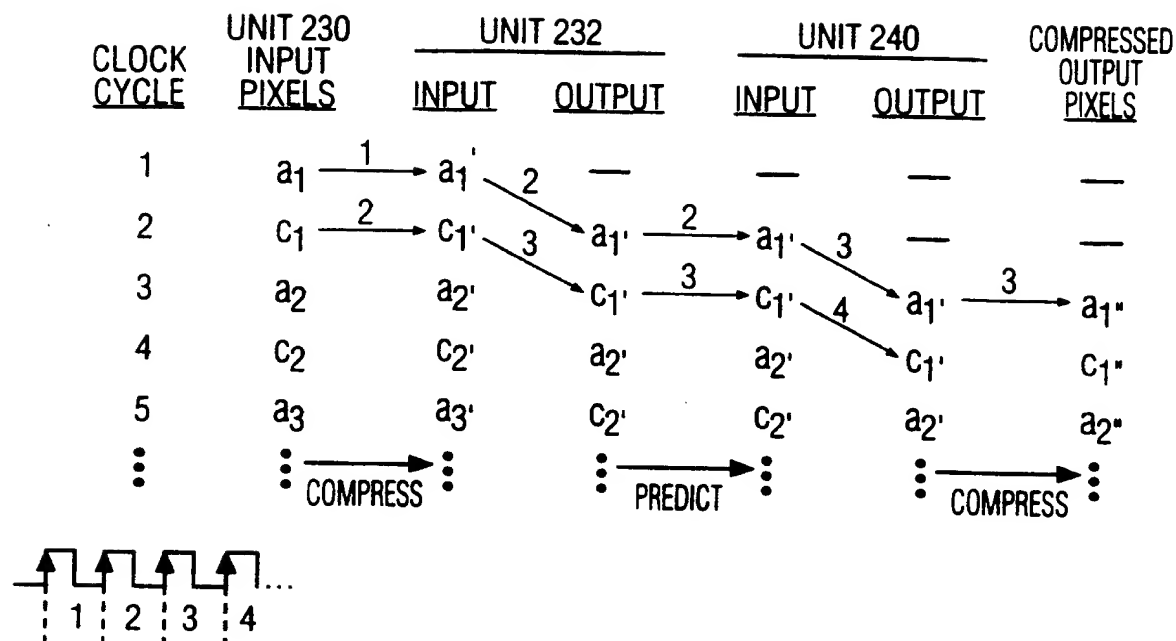


FIG. 27

21/21

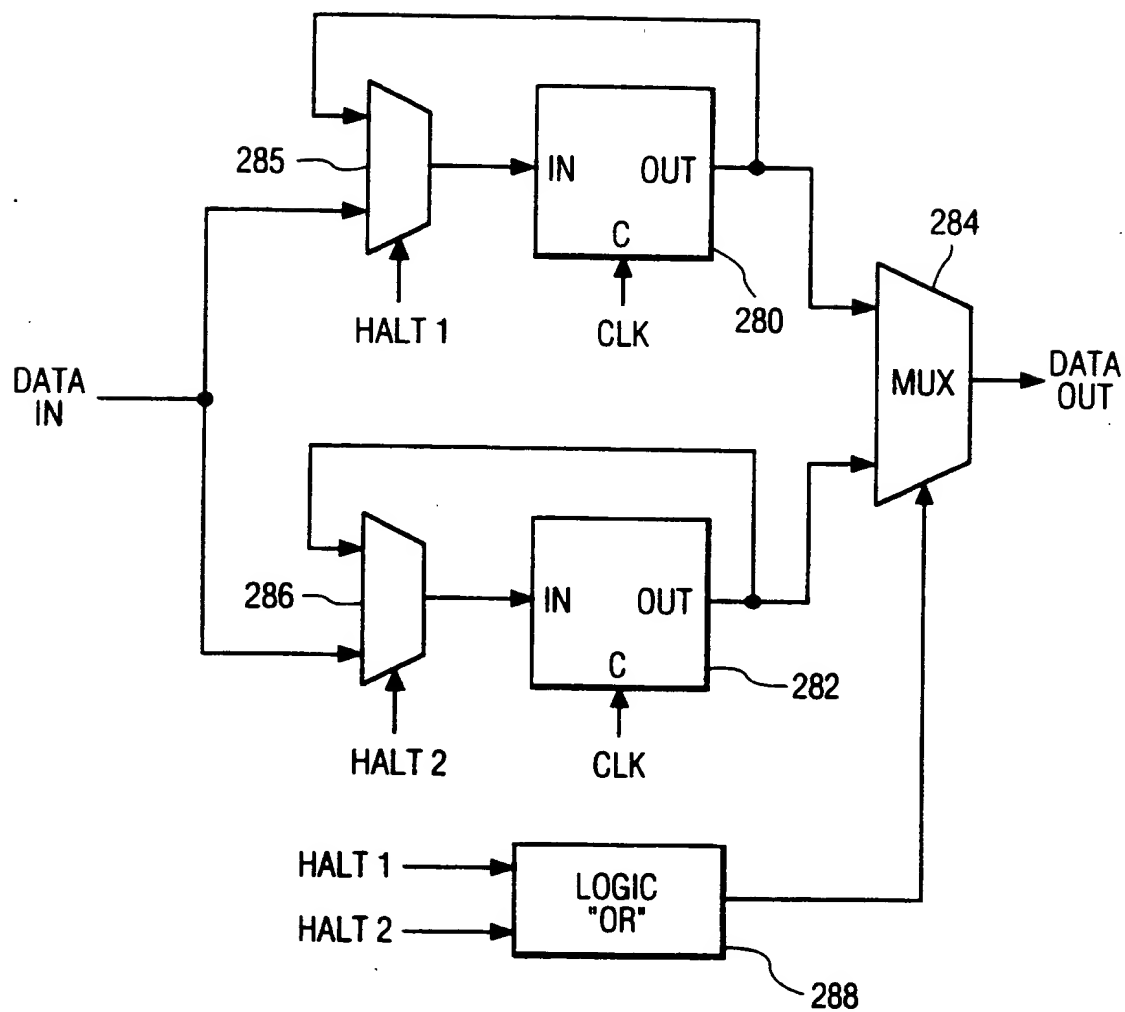


FIG. 28